

Patient Information	Specimen Information	Client Information

COMMENTS: FASTING: YES

Test Name	In Range	Out Of Range	Reference Range	Lab
THYROID PANEL WITH TSH				
THYROID PANEL				NW
T3 UPTAKE	26		22-35 %	
T4 (THYROXINE), TOTAL	9.4		5.1-11.9 mcg/dL	
FREE T4 INDEX (T7)	2.4		1.4-3.8	
TSH	0.99		mIU/L	NW
			Reference Range	
			> or = 20 Years 0.40-4.50	
			Pregnancy Ranges	
			First trimester 0.26-2.66	
			Second trimester 0.55-2.73	
			Third trimester 0.43-2.91	
LIPID PANEL, STANDARD				
CHOLESTEROL, TOTAL		204 H	<200 mg/dL	NW
HDL CHOLESTEROL	83		> OR = 50 mg/dL	NW
TRIGLYCERIDES	76		<150 mg/dL	NW
LDL-CHOLESTEROL		104 H	mg/dL (calc)	NW
Reference range: <100				
Desirable range <100 mg/dL for primary prevention; <70 mg/dL for patients with CHD or diabetic patients with > or = 2 CHD risk factors.				
LDL-C is now calculated using the Martin-Hopkins calculation, which is a validated novel method providing better accuracy than the Friedewald equation in the estimation of LDL-C. Martin SS et al. JAMA. 2013;310(19): 2061-2068 (http://education.QuestDiagnostics.com/faq/FAQ164)				
CHOL/HDL-C RATIO	2.5		<5.0 (calc)	NW
NON HDL CHOLESTEROL	121		<130 mg/dL (calc)	NW
For patients with diabetes plus 1 major ASCVD risk factor, treating to a non-HDL-C goal of <100 mg/dL (LDL-C of <70 mg/dL) is considered a therapeutic option.				
COMPREHENSIVE METABOLIC PANEL				NW
GLUCOSE	83		65-99 mg/dL	
			Fasting reference interval	
UREA NITROGEN (BUN)	15		7-25 mg/dL	
CREATININE		1.02 H	0.50-0.96 mg/dL	
EGFR	76		> OR = 60 mL/min/1.73m ²	
The eGFR is based on the CKD-EPI 2021 equation. To calculate the new eGFR from a previous Creatinine or Cystatin C result, go to https://www.kidney.org/professionals/ kdoqi/gfr%5Fcalculator				
BUN/CREATININE RATIO	15		6-22 (calc)	
SODIUM	140		135-146 mmol/L	

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POTASSIUM	4.5		3.5-5.3 mmol/L	
CHLORIDE	108		98-110 mmol/L	
CARBON DIOXIDE	26		20-32 mmol/L	
CALCIUM	9.3		8.6-10.2 mg/dL	
PROTEIN, TOTAL	7.0		6.1-8.1 g/dL	
ALBUMIN	4.4		3.6-5.1 g/dL	
GLOBULIN	2.6		1.9-3.7 g/dL (calc)	
ALBUMIN/GLOBULIN RATIO	1.7		1.0-2.5 (calc)	
BILIRUBIN, TOTAL	0.9		0.2-1.2 mg/dL	
ALKALINE PHOSPHATASE	52		31-125 U/L	
AST	23		10-30 U/L	
ALT	21		6-29 U/L	
HEMOGLOBIN A1c	5.0		<5.7 % of total Hgb	NW
<p>For the purpose of screening for the presence of diabetes:</p> <p><5.7% Consistent with the absence of diabetes</p> <p>5.7-6.4% Consistent with increased risk for diabetes (prediabetes)</p> <p>> or =6.5% Consistent with diabetes</p> <p>This assay result is consistent with a decreased risk of diabetes.</p> <p>Currently, no consensus exists regarding use of hemoglobin A1c for diagnosis of diabetes in children.</p> <p>According to American Diabetes Association (ADA) guidelines, hemoglobin A1c <7.0% represents optimal control in non-pregnant diabetic patients. Different metrics may apply to specific patient populations. Standards of Medical Care in Diabetes(ADA).</p>				
PHOSPHATE (AS PHOSPHORUS)	3.4		2.5-4.5 mg/dL	NW
URIC ACID	4.9		2.5-7.0 mg/dL	NW
<p>Therapeutic target for gout patients: <6.0 mg/dL</p>				
LD	147		100-200 U/L	NW
GGT	11		3-40 U/L	NW
T4, FREE	1.0		0.8-1.8 ng/dL	NW
T3, FREE	2.6		2.3-4.2 pg/mL	NW
<p>CBC (INCLUDES DIFF/PLT)</p>				
WHITE BLOOD CELL COUNT	4.2		3.8-10.8 Thousand/uL	
RED BLOOD CELL COUNT	4.96		3.80-5.10 Million/uL	
HEMOGLOBIN	15.0		11.7-15.5 g/dL	
HEMATOCRIT	44.8		35.0-45.0 %	
MCV	90.3		80.0-100.0 fL	
MCH	30.2		27.0-33.0 pg	
MCHC	33.5		32.0-36.0 g/dL	
RDW	12.4		11.0-15.0 %	
PLATELET COUNT	198		140-400 Thousand/uL	
MPV	11.0		7.5-12.5 fL	
ABSOLUTE NEUTROPHILS	1882		1500-7800 cells/uL	
ABSOLUTE LYMPHOCYTES	1974		850-3900 cells/uL	
ABSOLUTE MONOCYTES	244		200-950 cells/uL	
ABSOLUTE EOSINOPHILS	59		15-500 cells/uL	

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ABSOLUTE BASOPHILS	42		0-200 cells/uL	
NEUTROPHILS	44.8		%	
LYMPHOCYTES	47.0		%	
MONOCYTES	5.8		%	
EOSINOPHILS	1.4		%	
BASOPHILS	1.0		%	
IRON, TOTAL	103		40-190 mcg/dL	NW
INSULIN	7.8		uIU/mL	NW

Reference Range < or = 18.4

Risk:
 Optimal < or = 18.4
 Moderate NA
 High >18.4

Adult cardiovascular event risk category cut points (optimal, moderate, high) are based on Insulin Reference Interval studies performed at Quest Diagnostics in 2022.

CORTISOL, A.M.		24.6 H	mcg/dL	NW
Reference Range	8 a.m. (7-9 a.m.) Specimen: 4.0-22.0			

PERFORMING SITE:

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